Lenses ID Sorting Machine

Industry's First

TURNKEY SOLUTION

Seamless integration with your existing lenses production line to boost your productivity. No need to alter any of your existing equipment. It is a great add-on for your factory floor.

MAXIMUM FLEXIBILITY

Self-contained and designed to work with independently. Optional FFU can be installed to make it compatible with your clean room requirements.

QUALITY DESIGN AND DURABILITY

Robust system design with excellent ergonomics. The equipment uses only choicest parts to ensure high quality and long durability.

- Ultra-short Cycle Time to boost your productivity

- Compatible with various lenses shapes and sizes

- Sort samples into 4 distinct IDs

- Intelligent software

- Clean room compatible (optional)

Lenses production as mandated by customers require the manufacturer to sort through the lenses so that like lenses ID are grouped together. The ID number is engraved directly on the lenses for identification purpose. As the ID on the lenses signifies different characteristics, it is of utmost importance to be able to sort the lenses based on their ID number. Failure to do so in most cases will lead to a lower production yield downstream. This inevitably causes a great deal of frustration.

Until recently, this sorting process must be completed using very intensive manual labor. Since the ID number on the micro lenses are very small and can only be identified by a human operator with the help of a microscopes. The automated sorting system for mobile phone lenses is designed to be used in a mass production environment.

It visually recognises the lenses ID and ensures lenses with the same ID are grouped together into the tray. The short cycle time can be achieved by an optimized operation sequence. The sorting system is designed with ease of use and trays can easily be placed inside or removed from the sorting system. The lenses samples are then orderly placed in their respective trays without any intervention of an operator. This not only significantly increases the throughput but at the same time avoid any human errors or any unnecessary risks of contamination from the operator.

The Sorter is equipped with clean room FFUs that can be placed inside any cleanroom environments. It is the perfect solution to increase your production throughput while boosting a higher quality of the final product.

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Software Features

Software GUI

- Support State-of-the-art fly-by visual system inspection of parts to ensure maximum throughput

- Intelligent Algorithm for fast sorting process

- Intuitive software interface

- Open process language for fast and easy process optimization

PROFESSIONAL SOFTWARE

Modular software architecture that supports various types of lenses. Intuitive software interface design for ease of operation.

COST EFFECTIVE

Ultra-high throughput and short cycle time and at the same time a very cost-effective solution to suit your need.

TECHNICAL SUPPORT

From pre-sales technical consultation to post-sales on-site installation and technical support, we provide world class professional support.

To learn more about the product and see it in action, please visit

https://youtu.be/mz9xCiPp4Y0

For more information on any of our products or services please visit us on the Web at:

www.pinnacle-techpro.com

System Specification

Model: PLS-L01N-B	
Cycle Time Per Sample	Less than 1 seconds
Motor System	Servo motor system
Sorting Quality Classes	4 types: A, B, C, NG
Power	AC 220V, 50/60Hz
Compressed Air	6 Kg/ cm^2 10L/min
Power Consumption	1.5 KW
Dimensions	1400 (L) x 800 (W) x 1760 (H) mm
Weight	600 Kg

Specification subject to change without notice

Inside Working Chamber

SERVICES AVAILABLE

Customized Turnkey Solutions   Technical Support

Installation and Setup   Maintenance   Application Support

Hardware Support

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